



# Rabbit Anti-Securin monoclonal antibody, clone 20I27M59 (CABT-L1559)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Specificity	This antibody is predicted to react with bovine based on sequence homology.
Target	PTTG1
Immunogen	A recombinant protein corresponding to amino acids 1-202.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	20I27M59
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

## BACKGROUND

**Introduction**

Pituitary tumor-transforming gene 1 (PTTG-1) is an oncogene expressed in normal tissues containing proliferating cells and in tumors. PTTG is downstream of the MAP kinase signaling cascade and is phosphorylated at Ser162 by MAPK in vitro. Phosphorylation plays an essential role in PTTG's transactivation function. The PTTG protein contains a DNA-binding domain, and it activates transcription of the c-Myc oncogene by binding to the promoter to form a complex. Studies have demonstrated that expression of human PTTG correlates with cell proliferation in a cell cycle-dependent manner, and the association of human PTTG with Ku, the regulatory subunit of DNA-dependent protein kinase, is disrupted when a DNA double-strand break occurs.

**Keywords**

PTTG1;pituitary tumor-transforming 1;EAP1;PTTG;HPTTG;TUTR1;securin;ESP1-associated protein 1;tumor-transforming protein 1;pituitary tumor-transforming gene 1 protein